What is claimed is

1. An SBB machine comprises a laser head with a focus system, a monitor with a camera positioning system and a flex cable sheet station with a conveyer system. The laser head can be controlled from the monitor to move vertically and horizontally by the camera positioning system, and the conveyer belt of the transport system can be controlled to move step by step.

2. An SBB machine according to claim 1, wherein said laser head is controlled from said monitor to move vertically and horizontally by said camera positioning system.

3. An SBB machine according to claim 1, wherein said conveyer system can carry said flex cable sheet to said laser head station with an angle α with respect to the horizontal level, α being within the range of 0-90 degrees, so that it is likely for a bonding capillary to touch the slider bonding pad area.

4. An SBB machine according to claim 1, wherein said conveyer sheet of said conveyer system can be controlled by another controller (70)to move step by step.

5. An SBB machine according to claim 1, wherein a conveyer roller 71 can freely move vertically.

6. A SBB bonding method for an HGA by means of an SBB machine according to any one of the preceding claims comprises steps:

a) making a flex cable trace pattern onto a flex cable sheet (42) by etching or the like;

b) mounting sliders (24) onto the flex cable sheet (42) by epoxy, with precise alignment to trace pads one by one;

c) connecting a slider's pad to the corresponding pads of the flex cable trace by SBB or the like;

d) cutting the flex cable (26) provided with the sliders (24) from the flex cable sheet (42);

e) mounting the flex cable (26) provided with the sliders (24) onto a suspension (21) by epoxy or the like, and finishing an HGA (81).